



PTO/SB/08a (08-03)

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1 of 3

Complete if Known

Application Number	10/657,785
Filing Date	September 8, 2003
First Named Inventor	Charles D. Gollnick
Art Unit	2641 2618
Examiner Name	P. Sobutka
Attorney Docket Number	14206US03

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
PS	A1	US-3781815	12-25-1973	Boudreau et al.	
PS	A2	US-4164628	08-14-1979	Ward et al.	
PS	A3	US-4332027	05-25-1982	Malcom et al.	
PS	A4	US-4414661	11-08-1983	Karlstrom	
PS	A5	US-4630314	12-16-1986	Smith	
PS	A6	US-4644532	02-17-1987	George et al.	
PS	A7	US-4663706	05-05-1987	Allen et al.	
PS	A8	US-4679244	07-07-1987	Kawasaki et al.	
PS	A9	US-4725992	02-16-1988	NcNatt et al.	
PS	A10	US-4736461	04-05-1988	Kawasaki et al.	
PS	A11	US-4747126	05-24-1988	Hood et al.	
PS	A12	US-4748658	05-31-1988	Gopal et al.	
PS	A13	US-4837858	06-06-1989	Ablay et al.	
PS	A14	US-4864559	09-05-1989	Perlman	
PS	A15	US-4884266	11-28-1989	Pflaumer	
PS	A16	US-4885780	12-05-1989	Gopal et al.	
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PS	A18	US-4926064	05-15-1990	Tapang	
PS	A19	US-4942552	07-17-1990	Merrill et al.	
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PS	A21	US-5008882	04-16-1991	Peterson et al.	
PS	A22	US-5018133	05-21-1991	Tsukakoshi et al.	
PS	A23	US-5027427	06-25-1991	Shimizu	
PS	A24	US-5031098	07-09-1991	Miller et al.	
PS	A25	US-5056085	10-08-1991	Vu	
PS	A26	US-5099509	03-24-1992	Morganstein et al.	
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PS	A28	US-5117422	05-26-1992	Hauptschein et al.	
PS	A29	US-5128932	07-07-1992	Li	
PS	A30	US-5142531	08-25-1992	Kirby	
PS	A31	US-5142534	08-25-1992	Simpson et al.	
PS	A32	US-5150360	09-22-1992	Perlman et al.	

Examiner Signature	/Philip Sobutka/	Date Considered	07/21/2006
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Art Unit	2641 2618
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Attorney Docket Number	14206US03

(Use as many sheets as necessary)

Sheet	2		3
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**INFORMATION DISCLOSURE
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3

3

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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
PS	B1	EP-281334				
PS	B2	WO-9202084				

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
PS	C1	L. KLEINROCK and F.A. TOBAGI, "Packet Switching in Radio Channels; Part IV- Stability Considerations and Dynamic Control in Carrier Sense Multiple Access," IEEE Transactions on Communications, vol. COM-25, No. 10, Oct. 1977.	
PS	C2	M. B. PURSLEY, "The Role of Spread Spectrum in Packet Radio Networks," Proceedings of the IEEE, vol. 75, No. 1, Jan. 1987.	
PS	C3	J. O. ONUNGA and R. W. DONALDSON, "Performance Analysis of CSMA with Priority Acknowledgements (CSMA/PA) on Noisy Data Networks with Finite User Population," IEEE Transactions on Communications, vol. 39, No. 7, Jul. 1991.	
PS	C4	L. KLEINROCK and J. SILVESTER, "Spatial Rouse in Multihop Packet Radio Networks," Proceedings of the IEEE, vol. 75, No. 1, Jan. 1987.	
PS	C5	International Standard ISO/DIS 8802-2.2.	
PS	C6	A. S. TANENBAUM, "Computer Networks," Prentice Hall, Second Edition.	
PS	C7	D.E. COMER, "Internetworking with TCP/IP", Prentice Hall.	

Examiner Signature	/Philip Sobutka/	Date Considered	07/21/2006
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		Application Number	10/657,785
		Filing Date	September 8, 2003
		First Named Inventor	Charles Gollnick
		Group Art Unit	2604 2618
		Examiner Name	P. Sobutka
Attorney Docket Number	14206US03		
Sheet	1	of	29

U.S. PATENT DOCUMENTS					
Examiner Initial*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
PS	A1	4,449,248	05-15-1984	Leslie et al.	
PS	A2	5,027,428	06-25-1991	Ishiguro et al.	
PS	A3	5,058,023	10-15-1991	Kozikaro	
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PS	A5	5,142,534	08-25-1992	Simpson et al.	
PS	A6	5,224,152	06-29-1993	Harte	
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PS	A8	5,375,254	12-14-1990	Owen	
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PS	A10	5,590,346	12-31-1996	West et al.	
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PS	A20	6,348,841	02-19-2002	See	
PS	A21	6,522,871	02-18-2003	Patrick et al.	
PS	A22	6,583,675	06-24-2003	Gomez	
PS	A23	6,593,826	07-15-2003	See	
PS	A24	6,694,129	02-17-2004	Peterzell et al.	
PS	A25	6,714,983	03-30-2004	Koenck et al.	
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PS	A28	6,823,033	11-23-2004	Fahim	
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PS	A30	6,911,856	06-28-2005	Florescu	
PS	A31	6,928,275	08-09-2005	Patrick et al.	
PS	A32	6,937,872	08-30-2005	Krasner	
PS	A33	4,734,694	03-29-1998	Umetsu et al.	

EXAMINER SIGNATURE	/Philip Sobutka/	DATE CONSIDERED	07/21/2006
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known		
				Application Number	10/657,785	
Sheet		2	Of	29	Filing Date	September 8, 2003
					First Named Inventor	Charles Gollnick
					Group Art Unit	2004 2618
					Examiner Name	P. Sobutka
					Attorney Docket Number	14206US03

PS	A34	4,903,319	02-20-1990	Kasai et al.	
PS	A35	4,964,121	10-16-1990	Moore	
PS	A36	4,977,611	12-11-1990	Maru	
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PS	A43	5,745,523	10-27-1992	Dent et al.	
PS	A44	6,359,872	03-19-2002	Mahany et al.	
PS	A45	6,374,311	04-16-2002	Mahany et al.	
PS	A46	6,764,983	07-20-2004	Hammond et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	B1	Country Code* - Number - Kind Code ² (if known)	MM-DD-YYYY			

OTHER ART -- NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
PS	C1	Respondent Qualcomm Incorporated's Notice Of Prior Art, with Exhibits A & D attached thereto
PS	C2	Qualcomm's Response To Interrogatory 3, with Exhibits B & C attached thereto
	C3	INTENTIONALLY LEFT BLANK
	C4	INTENTIONALLY LEFT BLANK
PS	C5	"A New Chapter In Wireless Communication And Email", Electronic Messaging News, 11/27/1991, Vol. 3, No. 24
	C6	"A New Radio Access Protocol And Network Architecture For Mobile Packet Data", Cognite Group Limited, Bates Nos. QBB569268-323
PS	C7	"AMDC Extends RFP Deadline To March 10; Waiver Decision Expected At FCC's March Meeting", Industrial Communications, 02/17/1989, No. 7
	C8	"AMDC Picks Ericsson Gear", Communications Week, 06/12/1989, Vol. 252, p. 44
PS	C9	"An Effective Prioritization Scheme For Handovers In Cellular Networks", IEEE - ICUPC '92 Proceedings, 09/29/1992-10/02/1992, pp. 364-368
PS	C10	"Ardis Links With NCR Notepad 12/11/91", Newsbytes, 12/11/1991

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PS	C11	"Ardis To Face Competition From RAM", Newsbytes, 02/05/1991
PS	C12	"Automation In Warehousing", Proceedings Of The 8 th International Conference, Tokyo, Japan, 10/06-08/1987, pp. 1-355
PS	C13	"Autonomous Radio Stations Possible Over Mobitex", Industrial Communications, 12/09/1988, No. 48
PS	C14	"Bean Bullish On Growth Of Mobile Data In New Future", Industrial Communications, 02/15/1991, No. 7, p. 8
PS	C15	"Bellsouth Buys Into Ram's Nationwide Mobile Data Network", Industrial Communications, 10/18/1991, No. 42
PS	C16	"BellSouth Has Option To Buy RAM 10/11/91", Newsbytes, 10/11/1991
PS	C17	"BellSouth RAM In Joint Venture", BOC Week, 10/21/1991, Vol. 8, No. 40, p. 12
PS	C18	"Bellsouth, RAM To Form Mobile Communications Joint Venture", PR Newswire, 10/10/1991, p. 1
PS	C19	"Briefing Document For The Design Of The Diplema Messenger MMI, 03/1989
PS	C20	"Broadband Lan Technology", 1988
	C21	"BT Opens New Service Center", Communications Week, 11/11/1991, p. 25
	C22	"Business Plan Appendix IV - Financial Projections"
	C23	"C Business Plan" Cognito Group Limited, 11/01/1990
	C24	"C Business Plan", Cognito Group Limited, 04/1990
PS	C25	"Canadian Cellular Industry (the) - Industry Report", First Marathon Securities Ltd. Industry Report, 10/25/1991, Investext Report No. 1154903, p. 30
PS	C26	"Cantel To Launch Mobile-Data And Paging Networks", The Gazette, Montreal Quebec, 05/10/1989, p. D1
PS	C27	"CDMA Digital CAI Standard, Cellular System Dual-Mode Mobile Station-Base Station Compatability Standard, Draft Rev. 0", 07/31/1990, Bates Nos. QBB138614-832
PS	C28	"CDMA Digital CAI Standard, Cellular System Dual-Mode Mobile Station-Base Station Compatability Standard, Draft Rev. 1", 10/01/1990, Bates Nos. QBB138833-9249
PS	C29	"CDMA Digital CAI Standard, Cellular System Dual-Mode Mobile Station-Base Station Compatability Standard, Draft Rev. 1.1", 07/15/1991, Bates Nos. QBB139250-858
PS	C30	"Cellular System Dual-Mode Mobile Station - Base Station Compatibility Standard", EIA/TIA Interim Standard, 05/1990, IS-54
PS	C31	"Cellular System Mobile Station - Land Station Compatibility Specification", Office Of Science Technology Bulletin No. 53, 07/1983
PS	C32	"Change Request 05.02-11", Recommendation GSM 05.02, v. 3.3.0, 06/22/1989

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PS	C33	"Change Request 05.02-14", Recommendation GSM 05.02, v. 3.3.0, 11/28/1989
PS	C34	"Coded First To Jump On Mobitex Equipment Bandwagon; Sees Data Licenses As Worth As Much As Cellular", Industrial Communications, 06/09/1989, No. 22
PS	C35	"Communications Personals", Communications Daily, 02/11/1991, Vol. 11, No. 28
PS	C36	"Complexity, High Price Keep Some Customers Away: Mobile Datacoms Taxes Users", Communications Week International, 04/01/1991, p. 20
PS	C37	"Consolidation, New Ventures Going Full Speed Ahead In All Markets", Industrial Communications, 10/06/1989, No. 36, p.1
PS	C38	"Covering Note To Draft Rec. GSM 01.04 Version 2.00.01 - Vocabulary In A GSM PLMN", GSM 01.04 v. 2.00.01, 09/28/1990
PS	C39	"Cutting The Ties That Bind", InformationWeek, 04/01/1991, Vol. 314, pp. 25-30
PS	C40	"DEC On Move: Teaming With Ericsson In Mobile Data Market", Communications Week International, 03/18/1991, p. 1
PS	C41	"DEC Targets Mobile Data Market", Communications Week International, 03/18/1991, p. 9
	C42	"DEC-Ericsson Agreement", Communications Week, 11/11/1991, p. 25
	C43	"Descriptive Air Interface Protocol", Cognito Group Limited, V. 6.0, 08/19/1991
	C44	"Digital And Ericsson To Co-Operate On Mobile Data", Exchange, 11/01/1991, Vol. 9, No. 42
PS	C45	"Discontinuous Reception (DRX) in the GSM System", Recommendation GSM 03.13, v 3.0.2, 01/15/1990
PS	C46	"Editorial: Telecom Trends", Newsbyte News Network, 12/24/1991
PS	C47	"Ericsson - Company Report First Boston Corporation (The)", 06/10/1988, Investext Report No. 813838, p. 9
PS	C48	"Ericsson - Company Report: Hoare Govett Investment Research Ltd", 10/01/1990, Investext Report No. 1039045, p. 22
PS	C49	"Ericsson - Company Report: Prudential Securities Inc.", 03/19/1990, Investext Report No. 1001955, p. 10
PS	C50	"Ericsson - Company Report: Svenska International PLC", Ericsson Company Report, Svenska International PLC, Investext Report No. 1142535, 10/04/1991, p. 2
PS	C51	"Ericsson (L.M.) (Telefon A/B) - Company Report: FT Analysis", Ericsson (L.M.) (Telefon A/B) Company Report FT Analysis, Investext Report No. 6027183, 11/19/1991, p. 3
PS	C52	"Ericsson And Digital Cooperate On Mobile Communications", Newsbyte News Network 10/08/91, Newsbytes, 10/08/1991
PS	C53	"Ericsson And Digital Cooperated In Mobile Data", Business Wire, San Francisco, 10/07/1991, p.1

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known		
				Application Number	10/657,785	
Sheet		5	Of	29	Filing Date	September 8, 2003
					First Named Inventor	Charles Gollnick
					Group Art Unit	2684 2618
					Examiner Name	P. Sobutka
					Attorney Docket Number	14206US03

OTHER ART -- NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
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Sheet 6 Of 29

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	C183	BONCOMPAGNI et al., "Comments: Telecom Leaders From Around The World Reveal their Plans For The Future", Telephony, 02/27/1989, Vol. 216, No. 9, p. 28

EXAMINER

/Philip Sobutka/

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known		
				Application Number	10/657,785	
Sheet		12	Of	29	Filing Date	September 8, 2003
					First Named Inventor	Charles Gollnick
					Group Art Unit	2684 2618
					Examiner Name	P. Sobutka
					Attorney Docket Number	14206US03

OTHER ART -- NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
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PS	C192	BULUSU et al., "Scalable coordination For Wireless Sensor Networks: Self-Configuring Localization Systems", Proceedings Of The 6th International Symposium On Communication Theory And Applications (ISCTA), 07/2001, pp. 1-6
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PS	C204	Cellular Digital Packet Data System Specification Preliminary Release 0.8 - Book 1, 03/19/1993
PS	C205	Cellular Digital Packet Data System Specification Preliminary Release 0.8 - Book II, 03/19/1993
PS	C206	Cellular Digital Packet Data System Specification Preliminary Release 0.8 - Book III, 03/19/1993
PS	C207	Cellular Digital Packet Data System Specification Release 0.3 Preliminary Working Draft, 12/28/1992
PS	C208	Cellular Digital Packet Data System Specification Release 0.8 - Book 4IV, 03/19/1993
PS	C209	Cellular Digital Packet Data System Specification Release 0.8 - Book V, 03/19/1993
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PS	C213	Cellular Digital Packet Data System Specification Release 1.0 - Book IV, 07/19/1993
PS	C214	Cellular Digital Packet Data System Specification Release 1.0 - Book V, 07/19/1993
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PS	C217	Cellular Digital Packet Data System Specification Release 1.1 - Book 2, 1995 CDPD Forum, Inc., 01/19/1995
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	C220	Cellular Digital Packet Data System Specification Release 1.1 - Book 5, 1995 CDPD Forum, Inc., 01/19/1995

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Sheet 14 Of 29

Complete if Known

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Group Art Unit	2684 2618
Examiner Name	P. Sobutka
Attorney Docket Number	14206US03

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				Group Art Unit	2604 2618
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				Attorney Docket Number	14206US03
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PS	C273	HUNT, "The Regulatory Environment For Personal Communications In The Post-WARC-92 Period", IEEE – ICUPC '92 Proceedings, 09/29/1992-10/02/1992, pp. 429-432
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	C283	INTENTIONALLY LEFT BLANK
PS	C284	JUNG et al., "A Power Saving MAC Protocol For Wireless Networks", Department Of Computer Science, Texas A&M University, Technical Report, 07/2002
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				First Named Inventor	Charles Gollnick
				Group Art Unit	2604 2618
				Examiner Name	P. Sobutka
				Attorney Docket Number	14206US03
Sheet	19	Of	29		

OTHER ART -- NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/657,785
				Filing Date	September 8, 2003
				First Named Inventor	Charles Gollnick
				Group Art Unit	2084 2618
				Examiner Name	P. Sobutka
Sheet	26	Of	29	Attorney Docket Number	14206US03

OTHER ART -- NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	C417	INTENTIONALLY LEFT BLANK
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	C419	INTENTIONALLY LEFT BLANK
	C420	INTENTIONALLY LEFT BLANK
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	C422	INTENTIONALLY LEFT BLANK
	C423	INTENTIONALLY LEFT BLANK
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PS	C466	File History of USSN 08/487,609, Bates Nos. BCMITC0000792166-658

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PS	C467	File History of USSN 08/513,648 ('983 file history), Bates Nos. BCMITC000071666-72400
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	C493	INTENTIONALLY LEFT BLANK
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PS	C498	Radio Equipment And Systems (RES); Digital ESTI Radio Equipment And Systems (RES); Digital Equipment Telecommunications (DECT) Common Interface Part 5: Network Layer, ETS 300 175-5, 10/01/1992
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/Philip Sobutka/

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